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Patent PD-202109 Customer No. 020991

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen : I hereby certify that this correspondence is

being deposited with the United States Postal Service with sufficient postage as first class

mail in an envelope addressed to:

Serial No.: 10/519,322 : m

I.A. Filing Date: July 1, 2003

371 (c) Date: December 23, 2004

: Mail Stop Amendment, Commissioner for For: IMPROVING HIERARCHICAL : Patents P. O. Box 1450, Alexandria, VA

8 PSK PERFORMANCE : 2231/3-1/450, op/the date below.

Georgann S. Grunebach

: Typed or printed name of person signing certificate

Group Art Unit: 2611 :

Examiner: AHN, Sam K. : Date: April 3, 2006

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

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Seria No.	. 10/519,322	Page 2
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This promation Disclosure Statement is not to be construed as a representation that a spolication does not exist, or that this citation constitutes prior art.

Respectfully submitted,

Georgann S. Grunebach, Reg. No. 33,179

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April 3, 2006

Substitute for forms PTO/SB/08A and	Complete if Known		
PTO/SB/08B	Application Number	10/519,322	
	I.A. Filing Date	July 1, 2003	_
INFORMATION DISCLOSURE I PE	371 (c) Date	December 23, 2004	_
STATEMENT BY APPLICANT	First Named Inventor	Ernest C. Chen	
APR 0 5 2006 3	Art Unit	2637	_
3 AFR 0 5 2006	Examiner Name	To be determined	
Sheet 1 of 2	Attorney Docket Number	PD-202109	
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Examiner Initials*	Cite No.	Document Number  Number-Kind Code	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner	Date	
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Signature	Considered	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for forms PTO/SB/08A and	Con	nplete if Known
PTO/SB/08B	Application Number	10/519,322
	I.A. Filing Date	July 1, 2003
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STATEMENT BY APPLICANT	First Named Inventor	Ernest C. Chen
APR 0 5 2006 \$	\Art Unit	2637
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Examiner Name	To be determined
Sheet 2 of 2	Attorney Docket Number	PD-202109
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U.S. PATENT DOCUMENTS					
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NON PATENT LITERATURE DOCUMENTS			
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when	T
Initials*	No.	appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.),	
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		XP 002364876	

Examiner Signature	Date Considered	

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